

# Qijun Yan

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## Personal Information

Born 1987 Jun 8  
Nationality Chinese  
Gender Male  
Languages Chinese, English

## Work Experience

23.05– now **Postdoctoral fellow**, BIMSA/Tsinghua University, Beijing.  
22.07– 23.05 **Visitor**, BICMR, Peking University, Beijing.  
21.07–22. 06 **Research Assistant**, MCM, Chinese Academy of Sciences, Beijing.  
18.12–21.06 **Postdoctoral Fellow**, YMSC, Tsinghua University, Beijing.  
18.06–18.10 **Guest Researcher**, University of Duisburg-Essen, Essen.  
18.04–18.06 **Visiting Scientist**, Max Planck Institute for Mathematics, Bonn.

## Education

2017 **ALGANT PhD**, *Leiden University & the University of Milan*.  
Title: Adapted deformations and Ekedahl-Oort stratifications of Shimura varieties  
Supervisors: Fabrizio Andreatta (Milan) & Bart de Smit (Leiden)  
2013 **Master of Mathematics**, *Capital Normal University*, Beijing.  
2010 **Bachelor of Mathematics**, *Capital Normal University*, Beijing.

## Areas of Interest

Arithmetic geometry, especially period maps for mod  $p$  Shimura varieties

## Publications/Preprints

- *Some numerical results on various stratifications of Spin Shimura varieties* (with Chao Zhang, in preparation).
- *On certain integral Frobenius period maps for Shimura varieties and their reductions* (in preparation).
- *Zip stacks and moduli stacks of local shtukas* (submitted), arXiv:2308.12204.
- A local construction of zip period maps for Shimura varieties, *Rend. Sem. Mat. Univ. Padova*, **151** (2024), pp. 213-251.

## Ph.D. Thesis

- *Ekedahl-Oort strata of Shimura varieties via Breuil-Kisin module*. Leiden University and the University of Milan, arXiv:1801.01354.